MULTIMEDIA PROJECTOR

EPSON EMP-7800 PROJECTOR

the picture-perfect projector

EPSON®

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The picture-perfect projector

Projecting crystal-clear images at an astounding 3500 ANSI lumens, this projector is surprisingly light, compact and intelligent. Not only will you get there quicker, but you won't lose a step with its quick and easy setup. Remarkable versatility allows you to take command in virtually any room environment.

So if your presentation is a work of art in the making, let this intelligent projector apply the finishing touches. EPSON'S new EMP-7800 projector – the picture-perfect solution.

Powerful & Attractive

3500 ANSI Lumens

Powerful enough to project bright and clear images in a large meeting room, yet at 5.5Kg, light enough to carry from room to room. 3500 ANSI lumens made compact and portable.

700:1 high contrast ratio

Projects sharp and vivid images in a high contrast ratio.

Optional lenses

Large assortment of optional lenses allows you to use the projector in virtually any room situation.

(The standard short focus lens is included with the projector.)

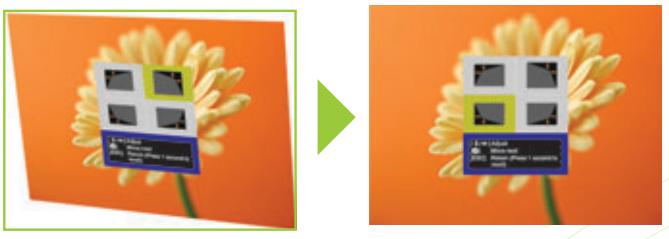
Easy Setup, Versatile Adaptability

Quick Corner

Quick Corner

Another EPSON innovation – this time making it much easier to keep your screen even straighter. Quick Corner not only makes straightening all four sides of the screen simple, but finer tuning capabilities allow for accuracy never before attainable.

Adjustments of up to +/-40° vertical and +/-20° horizontal allow for more freedom when choosing a place for the projector.



Wall Shot

Wall Shot

No need to set up a white screen. This new EPSON feature makes automatic adjustments for accurate image colours on any colour wall.

Background Colour | Before Wall Shot | After Wall Shot

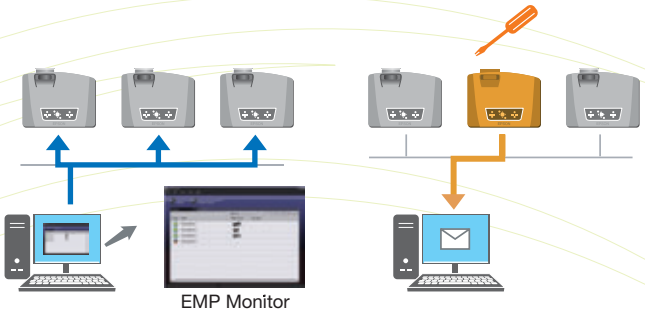
Auto vertical keystone correction

Just place the projector on a table and turn it on – no settings, no buttons. The projector automatically makes adjustments to keep your images straight and your mind at ease.

Network functionality

Use the included EMP Monitor software through a LAN connection to monitor and control multiple EMP-7800s simultaneously.

If something requires attention, an e-mail alert is sent automatically.



EMP Monitor

Broad input connectivity and preview function

Compatible with virtually any imaging equipment, the preview function makes it easier than ever to keep track of the connected equipment, and select an input source.

Preview Function

Standard short focus lens

The standard lens allows for a screen size of up to 152.4cm from just 1.6 metres away, boasting the shortest focal length of any EPSON projector to date. Two other optional lenses are available for adaptability to a wide variety of room environments.

EMP-7850 – wireless and advanced networking

If you require innovative wireless and PC-free functionality, the EMP-7850 is the perfect partner. Includes EPSON'S leading wireless technology and a memory card player for presentation, MPEG-2 and JPEG files. Images can also be viewed directly from a digital camera with a USB cable.

Brightness control

Adjust to match your viewing environment. Helps keep glare and fan noise to a minimum and conserve lamp life with the low setting; use the high setting in bright-light situations.

High Brightness: 3500 ANSI lm
Low Brightness: 2500 ANSI lm

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Specifications

PROJECTION SYSTEM	RGB Liquid Crystal Shutter Projection System	
PROJECTION METHOD	Front / Rear / Ceiling Mount	
SPECIFICATION OF MAIN PARTS		
LCD	Size	1.0 inches without MLA
	Driving Method	Poly-silicon TFT Active Matrix
	Pixel number	786432 dots (1024 x 768) x 3
	Native Resolution	XGA
	Aspect ratio	4:3
	Pixel Arrangement	Stripe
	Refresh rate	72Hz
PROJECTION LENS	Type	Manual zoom / focus
	F-number	1.7-2.3
	Focal length	28-37 mm
	Zoom ratio	1-1.35
LAMP	Type	250W UHE
	Life	2000H (High Bright) / 3000H (Low Bright)
OPTICAL SYSTEM	Dichroic Mirror Separation & Prism combine method	
SCREEN SIZE (PROJECTED DISTANCE)		
	22 to 300inch [1.1 to 11m] (Zoom: Tele), 30 to 300inch [0.8 to 8.2m] (Zoom: Wide)	
KEYSTONE CORRECTION RATIO	10:0	
BRIGHTNESS		
HIGH BRIGHTNESS MODE	3500 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)	
LOW BRIGHTNESS MODE	2500 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)	
CONTRAST	700:1 (Colour mode: Dynamic)	
BRIGHTNESS UNIFORMITY	90%(Typ.)	
COLOUR REPRODUCTION	Full Colour (16.77million colours)	
VIDEO QUALITY		
	3D Y/C separation (NTSC only), Interlace-Progressive conversion (3-2/2-2 film detection, motion detection, Jaggy reduction)	
SOUND OUTPUT	5W Monaural	
FUNCTION	Effect, PIP, Preview, User Logo, A/V mute, Freeze	
EFFECTIVE SCANNING FREQUENCY RANGE (ANALOGUE)		
PIXEL CLOCK	13.5MHz to 230MHz	
HORIZONTAL	15KHz to 107KHz	
VERTICAL	50Hz to 120Hz	
EFFECTIVE SCANNING FREQUENCY RANGE (DIGITAL)		
PIXEL CLOCK	25MHz to 135MHz	
HORIZONTAL	15KHz to 80KHz	
VERTICAL	50Hz to 85Hz	
ADJUSTMENT FUNCTION		
PROJECTOR / REMOTE CONTROL	Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal etc.	
TILT ANGLE	-4 to 12 degrees	
KEYSTONE CORRECTION	Vertical: -40 to +40 degrees Horizontal: -20 to +20 degrees (Zoom: Tele)	
AUTO KEYSTONE CORRECTION	Implemented (Vertical only)	
WALL SHOT	Adjusting colour and brightness for wall by sensor	
PASSWORD PROTECTED FUNCTION (SECURITY FUNCTION)	Implemented	
ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 dots
INPUT SIGNAL	Signal type	Separate signal
	Video Signal	Analogue (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75ohm)
	Sync. Signal	Separate (positive & negative, bi-polarity 2-5Vp-p) / Composite (positive & negative, bi-polarity 2-5Vp-p) / Sync-on-green (negative, 0.3Vp-p)
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	Mini D-sub 15pin x 1 Blue-moulding 5-BNC x 1
	Audio	Stereo mini jack x 1 (for Mini D-sub 15pin) RCA x 2 (FOR 5-BNC)
OUTPUT SIGNAL	Video Signal	Analogue (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75 ohm)
	Sync. Signal	Separate (positive & negative,TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2-0.4 Vp-p)
OUTPUT TERMINAL	Video	Mini D-sub 15pin x 1 Black-moulding
	Audio	Stereo mini jack

DIGITAL RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 dots
INPUT SIGNAL	Video Signal	Digital
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	DVI TypeD x 1
	Audio	Stereo mini jack (double use with D-sub 15pin)
VIDEO I/O		
DISPLAY PERFORMANCE	NTSC: 560 line PAL: 560 line (Depend on observation of the multi burst pattern)	
INPUT SIGNAL	Video Standard	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
	Video Signal	Composite Video (1.0Vp-p / Sync. negative, 75 ohm) / S-Video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p,75 ohm) / Component Video (Analogue Y level 0.7V 75 ohm / Cr Cb level +/-0.35V 75 ohm / sync.negative 0.3V or 3-state+/-0.3V on Y) / Video-RGB (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75 ohm)
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	Composite Video: RCA (Yellow) x 1 S-Video: Mini DIN Component Video: Mini D-sub 15pin Blue-moulding (in common with Analogue RGB connector) Video-RGB: Mini D-sub 15pin Blue-moulding (in common with Analogue RGB connector)
	Audio	RCA (White / Red) x 2
CONTROL I/O		
USB I/O	I/O terminal	USB connector type B x 1 (for mouse, K/B, control)
SERIAL I/O	I/O terminal	Mini D-sub 9pin x 1
	I/O signal	RS-232C
NETWORK INTERFACE		RJ45 x 1 (EMP-7800 only)
INPUT TERMINAL	Remote Control	Stereo mini jack x 1
OPERATING TEMPERATURE	5°C to 35°C <41°F to 95°F>	
COOL-DOWN PERIOD	about 30 seconds	
START-UP PERIOD	about 40 seconds	
POWER SUPPLY VOLTAGE	100-240V ±10%, 50/60Hz AC	
POWER CONSUMPTION	100-240VAC 3.6-1.6A 50/60Hz	
DIMENSION		
EXCLUDE FEET	325(D) x 419(W) x 117(H) mm	
MAXIMUM DIMENSION	325(D) x 419(W) x 138(H) mm	
WEIGHT	Approx. 12.1lbs / 5.5Kg	
FAN NOISE		
HIGH BRIGHTNESS MODE	36dB	
LOW BRIGHTNESS MODE	33dB	
ACCESSORIES		
POWER CORD	3m	
COMPUTER CABLE	1.8m Mini D-sub 15pin (Male) - Mini D-sub 15pin (Male)	
AUDIO CABLE	1.8m Stereo mini jack	
MOUSE CABLE	1.8m, USB A / USB B	
REMOTE CONTROL	Included	
LENS COVER	Included	
BATTERY	Alkaline AA x 2	
RCA VIDEO CABLE	1RCA 3m	
RCA AUDIO CABLE	2RCA 3m	
EPSON PROJECTOR SOFTWARE	EMP Monitor EMP NetworkManager (for Windows)	
OWNER'S MANUAL	Included	
WARRANTY		
STANDARD	2 years	

OPTIONS

V13H010L22: Spare LAMP; V12H003B13: Ceiling Mount; V12H001K29: Hard Travel Case; V12H001K28: Soft Travel Case; V12H004M03: Middle Throw Lens; V12H004L05: Long Throw Lens

EMP-7850 (ADDITIONAL SPECIFICATIONS)

CONTROL I/O		
USB I/O	I/O terminal	USB connector series A x 1 (for digital camera) USB connector series B x 1 (for mouse, K/B, Control)
CARD I/O		
PCMCIA	Type	Type II x 2
	Supported Memory Card	Compact Flash / Smart Media / Memory stick / SD / MMC / 3.3 volts type ATA Flash card / 5 volts type ATA Flash card / Micro drive*
	Supported Wireless LAN	Major cards supported
WEIGHT		Approx. 12.8lbs / 5.8Kg
WIRELESS LAN CARD		Included

*Memory card and adapter not supplied.

Available from July 03.

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